


## SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** PERGAQUICK CA
- **CAS Number:** 1305-62-0
- **EC number:** 215-137-3
- **Registration number:** 01-2119475151-45
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
Accelerator for polymerisation / crosslinking  
For industrial use
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** PERGAN GmbH  
Hilfsstoffe für industrielle Prozesse  
Schlavenhorst 71  
D-46395 Bocholt  
Tel: +49 2871 9902-0  
Fax: +49 2871 9902-50
- **Further information obtainable from:** Environment protection / Security of labour  
Qualified person: E-mail: msds@pergan.com
- **1.4 Emergency telephone number:** - Tel: +49 2871 9902-0

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Dam. 1 H318 Causes serious eye damage.  
STOT SE 3 H335 May cause respiratory irritation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** The substance is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**   
GHS05 GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:** calcium dihydroxide
- **Hazard statements** H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.
- **Precautionary statements** P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves / eye protection / face protection.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** This substance does not meet the PBT/vPvB criteria of UK REACH, Annex XIII.
- **vPvB:** This substance does not meet the PBT/vPvB criteria of UK REACH, Annex XIII.

## SECTION 3: Composition/information on ingredients

- **3.1 Substances**
- **CAS No. Description** 1305-62-0 calcium dihydroxide
- **Identification number(s)**
- **EC number:** 215-137-3

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<b>· Dangerous components:</b>			
CAS: 1305-62-0 EINECS: 215-137-3 Reg-No.: 01-2119475151-45	calcium dihydroxide	Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	90-100%

**SECTION 4: First aid measures****· 4.1 Description of first aid measures****· General information:**

Take care of personal protection for the first aider.

**· After inhalation:**

In case of unconsciousness place patient stably in side position for transportation. Take affected persons into fresh air and keep quiet.

**· After skin contact:**

Immediately wash with water and soap and rinse thoroughly. Immediately remove contaminated clothing.

**· After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

**· After swallowing:**

Drink plenty of water and provide fresh air. Call for a doctor immediately.

**· 4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**· 4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5: Firefighting measures****· 5.1 Extinguishing media****· Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**· 5.2 Special hazards arising from the substance or mixture**

Under certain fire conditions, traces of other toxic gases cannot be excluded.

**· 5.3 Advice for firefighters****· Protective equipment:**

Do not inhale explosion gases or combustion gases.

**· Additional information**

Self-protection first!

**SECTION 6: Accidental release measures****· 6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

**· 6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

**· 6.3 Methods and material for containment and cleaning up:**

Ensure adequate ventilation. Pick up mechanically, collect in a suitable receptacle and dispose in accordance with government regulations.

**· 6.4 Reference to other sections**See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.  
In case of large spillage the environmental authority should be informed.**SECTION 7: Handling and storage****· 7.1 Precautions for safe handling**Prevent formation of dust.  
Wear suitable respiratory protective device when decanting larger quantities without extractor facilities. Before break and at the end of work hands should be thoroughly washed. While using do not eat, drink or smoke.**· Information about fire - and explosion protection:**

No special measures required.

**· 7.2 Conditions for safe storage, including any incompatibilities****· Storage:**

Pay attention to the special requirements of your local authorities for storing dangerous goods.

**· Requirements to be met by storerooms and receptacles:**Prevent any seepage into the ground.  
Use only receptacles specifically permitted for this substance/product.(Contd. on page 3)  
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- **Information about storage in one common storage facility:** Store away from peroxide.  
Store away from foodstuffs, drinks and feeding stuffs.
- **Further information about storage conditions:** None.
- **Recommended storage temperature (To maintain quality):** max.: +30°C
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### · 8.1 Control parameters

#### · Ingredients with limit values that require monitoring at the workplace:

##### 1305-62-0 calcium dihydroxide

WEL (Great Britain)	Short-term value: 4* mg/m <sup>3</sup> Long-term value: 5 1* mg/m <sup>3</sup> *resprable fraction
IOELV (EU)	Short-term value: 4 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup> Respirable fraction

#### · DNELs

##### 1305-62-0 calcium dihydroxide

Inhalative	DNEL Longterm Local	1 mg/m <sup>3</sup> (Worker)
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#### · PNECs

##### 1305-62-0 calcium dihydroxide

PNEC Freshwater	0.49 mg/l (AF 100)
PNEC Soil	1,080 mg/kg soil dw (-)
PNEC STP	mg/l (AF 100)
PNEC Marinewater	0.32 mg/l (AF 100)

- **Additional information:** The lists valid during the making were used as basis.

### · 8.2 Exposure controls

#### · Appropriate engineering controls

No further data; see section 7.

#### · Individual protection measures, such as personal protective equipment

##### · General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid close or long term contact with the skin.  
Avoid contact with the eyes and skin.  
Do not eat, drink, smoke or sniff while working.  
Use skin protection cream for skin protection.  
Be sure to clean skin thoroughly after work and before breaks.

##### · Respiratory protection:



Use suitable respiratory device when it exceed exposure limit and when insufficiently ventilated.



Filter P2

##### · Hand protection

Only use chemical-protective gloves with CE-labelling of category III.



Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Protective gloves

##### · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Butyl rubber, BR  
Fluorocarbon rubber (Viton)  
Nitrile rubber, NBR  
Neoprene

##### · Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye/face protection



Tightly sealed goggles

· Body protection:



Protective work clothing

### \* SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

· Colour:	White
· Odour:	Characteristic
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	Not applicable.
· Flammability	Product is not flammable.
· Flash point:	Not applicable.
· pH at 20 °C	>12
· Solubility	
· water at 20 °C:	1.65 g/l
· Partition coefficient n-octanol/water (log value)	not determined
· Vapour pressure:	Not applicable.
· Density and/or relative density	
· Density at 20 °C:	2.24 g/cm <sup>3</sup>
· Bulk density at 20 °C:	200 - 800 kg/m <sup>3</sup>

#### · 9.2 Other information

##### · Appearance:

· Form:	Solid Powder
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##### · Important information on protection of health and environment, and on safety.

· Explosive properties:	Product does not present an explosion hazard.
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#### · Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

### SECTION 10: Stability and reactivity

#### · 10.1 Reactivity

No further relevant information available.

#### · 10.3 Possibility of hazardous reactions

No dangerous reactions known.

#### · 10.4 Conditions to avoid

No further relevant information available.

#### · 10.5 Incompatible materials:

No further relevant information available.

#### · 10.6 Hazardous decomposition products:

No hazardous decomposition products if used and stored according to specifications.

#### · Additional information:

Emergency procedures will vary depending on conditions. The customer should have an emergency response plane in place.

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**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:****1305-62-0 calcium dihydroxide**

Oral	LD50	>2,000 mg/kg (rattus)
Dermal	LD50	>2,500 mg/kg (rabbit)

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** May cause respiratory irritation.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

**11.2 Information on other hazards**· **Endocrine disrupting properties**

Substance is not listed.

**SECTION 12: Ecological information****12.1 Toxicity**· **Aquatic toxicity:****1305-62-0 calcium dihydroxide**

EC50 / 72h	184 mg/l (alga (Süßwasser))
LC50 / 96h	160 mg/l (fish)
EC50 / 48h	49.1 mg/l (daphnia)

**12.2 Persistence and degradability**· **Degree of elimination:**· **Classification:****1305-62-0 calcium dihydroxide**

Degradation (The study does not need to be conducted)

· **12.4 Mobility in soil** No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

· **PBT:** This substance does not meet the PBT/vPvB criteria of UK REACH, Annex XIII.

· **vPvB:** This substance does not meet the PBT/vPvB criteria of UK REACH, Annex XIII.

· **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects** No further relevant information available.

· **Additional ecological information:**

· **General notes:** Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Waste disposal key:**

Please contact your hazardous waste disposers to assign the right EWC-(European waste catalog)-number.

· **Uncleaned packaging:**

· **Recommendation:** This material and its container must be disposed of as hazardous waste.

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**SECTION 14: Transport information**

· 14.1 UN number or ID number · ADR, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR, IMDG, IATA	Void
· 14.3 Transport hazard class(es) · ADR, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	No dangerous good according the regulation of transport.

**\* SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Poisons Act

· Regulated explosives precursors	Substance is not listed.
· Regulated poisons	Substance is not listed.
· Reportable explosives precursors	Substance is not listed.
· Reportable poisons	Substance is not listed.
· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II	Substance is not listed.
· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))	Substance is not listed.
· Annex II - REPORTABLE EXPLOSIVES PRECURSORS	Substance is not listed.
· Regulation (EC) No 273/2004 on drug precursors	Substance is not listed.
· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors	Substance is not listed.

- National regulations:
- Other regulations, limitations and prohibitive regulations
- Please note: Take care of the respective local regulations.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
  - H335 May cause respiratory irritation.
- Department issuing SDS: Environment protection / Security of labour
- Contact: Tel: +49 2871 9902-0  
E-mail: mail@pergan.com
- Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods

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IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (UK REACH)  
PNEC: Predicted No-Effect Concentration (UK REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· \* Data compared to the  
previous version altered.